CLAIMS

We claim:

1. A scalable system for providing a web processing tool, comprising:

   a browser;

   a plurality of first clustered servers;

   a plurality of second clustered servers;

   a database server;

   a first network dispatcher for redirecting clients to one of said first clustered servers;

   a second network dispatcher responsive said first clustered servers for redirecting clients to one of said second clustered servers;

12   an application server asynchronously responsive to said

13   second clustered servers for running agents to process

14   application data requests and bridge said data with

15   respect to said database server and other back end

16   servers.

1   2.   The scalable system of claim 1, said first clustered

2   servers being operable for presenting a graphical user

3   interface to the said browser and for caching data on behalf

4   of an end user.

1   3.   The scalable system of claim 1, said first clustered

2   servers being domino.go servers operable for presenting a

3   graphical user interface to said browser and redirecting

4   said client via said second network dispatcher to a second

5   cluster server.

1   4.   The scalable system of claim 1, said web processing

2   tool being a web requisition catalog application.

1   5.   The scalable system of claim 1, said second clustered

2   servers being operable for performing workflow, providing

3   security, and serving as a document repository.

1   6.   The scalable system of claim 5, said second clustered

2   servers being domino network servers.

1   7.   The scalable system of claim 6, said document

2   repository being requisitions stored in domino .nsf files.

1   8.   The scalable system of claim 2, further comprising an

2   external objects dynamic file for storing external objects

3   in one place for dynamic access by said first clustered

4   servers, and for generating said gui.

1   9.   The scalable system of claim 1, said database server

2   being a relational database server.

1   10.   The scalable system of claim 1, said other back end

2   server comprising an enterprise resource planning system,

3   including an accounting application having an accounts

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4   payable function.

1   11.   The scalable system of claim, further comprising a

2   configuration file of proxy statements for mapping user

3   requests to said second cluster.

1   12.   A method for generating on-line procurement

2   requisitions, comprising the steps of:

3   receiving a client request;

4   directing said request to a first server within a first

5   cluster of virtual servers;

6   operating said first server to determine the mapping of

7   said client request and the function required;

8   responsive to a database access function, directing

9   said client request to a second server within a second

10   cluster of virtual servers; and

11   operating said second server to direct said client

12   request to an application server where all data is

13   replicated and where bridges and agents execute with

14   respect to data in said database.

1   13.   The method of claim 12, further comprising the step of:

2   synchronizing all virtual servers within said second

3   cluster.

1   14.   The method of claim 13, further comprising the steps

2   of:

3

4   replicating application data to a back-end relational

5   database server; and

6   replicating application data to a back-end enterprise

7   resource planning system including an accounting

8   application having an accounts payable function.

1   15.   A program storage device readable by a machine,

2   tangibly embodying a program of instructions executable by a

3   machine to perform method steps for processing a client

4   request with respect to a database, said method steps

5   comprising:

6   receiving a client request;

7   directing said request to a first server within a first

8   cluster of virtual servers;

9   operating said first server to determine the mapping of

10   said client request and the function required;

11   responsive to a database access function, directing

12   said client request to a second server within a second

13   cluster of virtual servers; and

14   operating said second server to direct said client

15   request to an application server where all data is

16   replicated and where bridges and agents execute with

17   respect to data in said database.

1   16.   A computer program product or computer program element

2   for:

3   receiving a client request;

4   directing said request to a first server within a first
5   cluster of virtual servers;

6   operating said first server to determine the mapping of
7   said client request and the function required;

8   responsive to a database access function, directing
9   said client request to a second server within a second
10   cluster of virtual servers; and

11   operating said second server to direct said client
12   request to an application server where all data is
13   replicated and where bridges and agents execute with
14   respect to data in said database.